

In re Application of:

Group Art Unit: 1616

Examiner: Pryor, Alton

Filed: January 7, 2002


4. I have submitted herewith as Exhibit A what I believe to be a true and accurate copy of a two-page letter dated May 28, 1998 that I prepared and sent to a testing facility for evaluation of an embodiment of my non-lethal temporarily incapacitating formulation. As stated

in the letter, the evaluated embodiment contained "propylene glycol esters of short chain fatty acids (propylene glycol dicaprylate/caprate) and glycerol tris(2-ethylhexanoate)," as well as "capsaicinoids derived from chili pepper for the purpose of disabling a human subject." As further stated in the letter, the embodiment was actually reduced to practice and evaluated at least as of, and to my recollection prior to, the date of the letter.

5. I have submitted herewith as Exhibit B what I believe to be a true and accurate copy of a letter dated October 6, 1999 prepared at my direction by an employee of Zarc International, the assigned of record, and sent to a testing facility. The letter details several additional embodiments of the invention containing a solvent mixture of propyleneglycol dicaprylate/-caprate and glycerol tris(2-ethylhexanoate), and "various incapacitating ingredients". As evident from the letter, the embodiments were actually reduced to practice and evaluated at least as of, and to my recollection prior to, the date of the letter.

6. I hereby declare that all statements made herein of my knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the above-captioned patent application or any patent issued thereon.

Signed this 21 day of July 2005



Kamran Loghman-Adham

EXHIBIT A



ZARC® INTERNATIONAL, INC.

Cameron Logman
President & C.E.O.

May 28, 1998

Lloyd T. Flanner
American Jetway
34136 Myrtle Street
Wayne, MI 48184
Tel: 313/721-5930

**Project Description VEXOR Formulation
Confidential and Proprietary**

Dear Lloyd:

Considering the formula that we have been working on for the past year, the atomization is still of concern. Please review the mixture and comment.

The solvent is made of two primary solution of Propylene glycol esters of short chain fatty acids (Propylene glycol dicaprylate/caprate) and Glycerol tris (2-ethylhexanoate). The active ingredient is Capsaicinoids derived from chili pepper for the purpose of disabling a human subject.

Lloyd, I thank you for your patience and we look forward to your comments.

Best Regards,
ZARC INTERNATIONAL, INC.

Cameron Logman
President and CEO

OBJECTIVE

Evaluate standard SV-77-HF gasket material with Propylene glycol dicaprylate/caprate), Glycerol tris (2-ethylhexanoate), Capsaicinoids/Capsaicin (chili pepper ingredient) for gasket compatibility.

PART #	<u>7 DAY DATA</u>			
	Swell Percent	Initial Duro	Final Duro	Difference
77520 Buna				
7 DAY	-2.45%	63	70	+7
30 DAY				
77511 Buna				
7 DAY	+1.13%	70	68	-2
30 DAY				
77521 Neoprene				
7 DAY	+12.7%	71	54	-17
30 DAY				
77514 Butyl				
7 DAY	+2.05%	68	58	-10
30 DAY				
77512 T-100				
7 DAY	+0.203%	74	70	-4
30 DAY				
77522 Buna				
7 DAY	+2.38%	74	71	-3
30 DAY				

7 DAY DIP TUBE GROWTH DATA

	<u>INITIAL READING</u>	<u>7 DAY READING</u>	<u>% GROWTH</u>
<u>200000</u>	40.268	4.0441	+0.43%
<u>250000</u>	40.144	4.0226	+0.20%

Christina Kelly
Roger Hebert
Technical Services

cc: jwl/kv

EXHIBIT B


ZARC® INTERNATIONAL, INC.

October 6, 1999

Mr. Tom Dann
Formulated Solution, LLC.
1776 11 th. Ave. North
St. Petersburg, FL 33713

Dear Mr. Dann:

Below you will find the internal test results that we have been able to successfully implement on the new solvent mixture and various incapacitating ingredients. The test result reflects our findings from our test tube study as well as microscope slide study.

Please review the result with your staff and use the raw material that you have already received from us and see if your test finding will be similar to us and independently verified.

Hoyt Hughes *H. Hughes*
Technical Services
ZARC INTERNATIONAL, INC.

Solvent Percentage	Solvent Percentage	Test Tube	Slides
Propyleneglycol dicaprylate/caprate	Glycerol tris (2-ethylhexanoate)	Seconds (+/- 0.5)	Seconds (+/- 0.5)
10%	90%	7	4
20%	80%	7	4
30%	70%	8	4
40%	60%	8	5
50%	50%	9	5

Incapacitating Ingredients 99% Purity	Solubility in above Mixture
Capsaicinoids (natural source)	100%
Capsaicin crystals	100%
Dihydrocapsaicin crystals	100%
Oleoresin Capsicum	100%
Chili powder	100%
Oleoresins paprika	100%
Oleoresin ginger	100%
Oleoresin eucalyptus	100%
Oleoresin onion	100%
Oleoresin lime	100%
Oleoresin clove	100%
Oleoresin mustard	100%
Oleoresin horseradish	100%